

Microfracture – Trochlear Groove/Patella Post-Operative Protocol

Phase I - Maximum Protection (0 to 1 week):

- Ice and modalities to reduce pain and inflammation
- Brace 0° to 20° for 6 weeks
- Use crutches (approx. 2 weeks); wean off as gait normalizes and inflammation subsides
- Selevate the knee above the heart for the first 3 to 5 days
- Initiate patella mobility drills
- CPM x 6 weeks
- Begin full passive/active knee range of motion exercises
- Quadriceps setting focusing on VMO restoration
- Multi-plane open kinetic chain straight leg raising
- Gait training

Phase II - Progressive Stretching and Early Strengthening (Weeks 1 to 6):

- Maintain program as outlined in week 0 to 1
- Ontinue with modalities to control inflammation
- Initiate global lower extremity stretching program
- Ore strengthening program
- Begin stationary bike and pool exercise program (when incisions healed)
- Implement reintegration exercises emphasizing core stability
- multi-plane ankle strengthening

Phase III - Strengthening and Proprioceptive Phase (Weeks 6 to 12):

- Ontinue with Phase II exercises as indicated
- Opening Brace As Follows:
- -0° to 45° for 3 days
- -0° to 60° for 3 days
- -0°to 90° for 3 days
- -Wean out of brace by week 8 9
- Normalize Gait
- Advance core strengthening program
- Advance time and intensity on cardiovascular bike program
- May begin treadmill or elliptical trainer no running
- Initiate closed kinetic chain exercises progressing from bilateral to unilateral

Phase IV - Advanced Strengthening (Weeks 12 to 20):

- Biking outside, walking and swimming